

Abstract

A honeycomb filter of the present invention is a honeycomb filter 10 including a number of through-holes 12 surrounded by partition walls and extending through an axial direction, in which the partition walls have filterability, predetermined through-holes 12 are plugged at one end portion, and the remaining through-holes 12 are plugged at the other end portion to trap particulate matter contained in a dust-containing fluid. The honeycomb filter is characterized in that a heat capacity of a central part 11 is set to be larger than that of a peripheral part 13 in a section of the honeycomb filter 10 perpendicular to the axial direction. There is provided a honeycomb filter in which a crack is not generated by thermal stress during use, especially at a regeneration time and which is superior in durability.